



UNITED STATES PATENT AND TRADEMARK OFFICE

cln

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.												
10/669,386	09/24/2003	Mark Hamilton Broman	203005	3933												
7590 Douglas L. Tschida Suite B 633 Larpenteur Ave. West St. Paul, MN 55113		02/08/2007	<table border="1"><tr><td colspan="2">EXAMINER</td></tr><tr><td colspan="2">DINH, TUAN T</td></tr><tr><td>ART UNIT</td><td>PAPER NUMBER</td></tr><tr><td>2841</td><td></td></tr><tr><td>MAIL DATE</td><td>DELIVERY MODE</td></tr><tr><td>02/08/2007</td><td>PAPER</td></tr></table>		EXAMINER		DINH, TUAN T		ART UNIT	PAPER NUMBER	2841		MAIL DATE	DELIVERY MODE	02/08/2007	PAPER
EXAMINER																
DINH, TUAN T																
ART UNIT	PAPER NUMBER															
2841																
MAIL DATE	DELIVERY MODE															
02/08/2007	PAPER															

Please find below and/or attached an Office communication concerning this application or proceeding.

**Supplemental
Notice of Allowability**

Application No.

10/669,386

Examiner

Tuan T. Dinh

Applicant(s)

BROMAN ET AL.

Art Unit

2841

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 09/19/06 and Interview on 1/17/06.
2. ☒ The allowed claim(s) is/are 11-12, 17-21, 23 (renumber claims are 1-8).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Douglas L. Tschida (Reg. No. 28,481) on 11/17/06.

The application has been amended as follows:

Cancel claims 1, 3-4, 6, and 22 without prejudice.

Claim 17, line 4, change "a substrate" to - - **a cylindrical substrate** - -.

Claim 17, line 5, change "a plurality of concentric layers" to - - **a plurality of layers** - -.

Claim 17, line 6, change "first and second conductive concentric layers" to - - **first and second elongated annular layers** - -.

Claim 18, line 2, change "substrate comprises a cylindrical conductive member concentrically mounted to" to - - **substrate is mounted to** - -.

Claim 20, line 2, change "substrate comprises a tabular member concentrically mounted to" to - - **substrate is hollow and is mounted to** - -.

For claim 21: the claim should be amended as below:

(current amended) A connector for high frequency signal comprising:

(a) a coaxial connector body having a housing adapted for interconnection with input and output conductors; and

b) an electrically conductive core piece supported within said housing and having a plurality of ~~concentric~~ layers including a first cylindrical conductive layer defining a resistor and a first plate of a capacitor, a cylindrical dielectric layer overlying said first conductive layer, and a second cylindrical conductive layer overlying said dielectric layer and defining a second plate of said capacitor, and wherein said core piece exhibits an impedance characteristic that matches that of said input and output conductors, a and wherein said core piece comprises a hollow cylindrical conductive substrate containing said first and second conductive layers and said dielectric layer and wherein said core piece is concentrically mounted to adjacent conductors connected to said input and output conductors.

Allowable Subject Matter

2. Claims 11-12, 17-21, and 23 allowed (renumber claims are 1-8).

The following is an examiner's statement of reasons for allowance:

In response to remarks and claimed amendment made by Applicant's Amendment filed on 09/19/06, and further telephone interview on 11/17/06 to discuss claims 17, and 21, the applicant agrees to amend claims 17 and 21 to overcome the prior arts. Therefore, the arguments are persuasive. The amendment claims (see examiner's amendment as above) have been considered and upon conclusion of a

comprehensive search of the prior arts, the Office indicates that the claims, as amended, are allow.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan T. Dinh whose telephone number is 571-272-1929. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Enad Elvin can be reached on 571-272-1990. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Application/Control Number: 10/669,386

Page 5

Art Unit: 2841

A handwritten signature in black ink, appearing to read 'Tuan Dinh', with a long, sweeping flourish extending from the end.

Tuan Dinh
November 17, 2006.